

IT ****Polyoxyalkylenes*** , biological studies
(non-gelatin substitutes for oral delivery capsules)
IT ***Gels***
(***thermoreversible*** ; non-gelatin substitutes for oral
delivery capsules)

L71 ANSWER 4 OF 68 HCA COPYRIGHT 2001 ACS
AN 133:310294 HCA

TI Thermally reversible hydrophilic-hydrophobic copolymers and
production method thereof

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SO Jpn. Tokkyo Koho, 10 pp.

CODEN: JTXXFF

DT Patent

LA Japanese

FAN.CNT 1

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| PI | JP 3101714 | B1 | 20001023 | JP 1999-130577 | 19990511 |
| | JP 2000319304 | A2 | 20001121 | | |
| | JP 2001049074 | A2 | 20010220 | JP 2000-183492 | 19990511 |
| PRAI | JP 1999-130577 | A3 | 19990511 | | |

AB Title copolymers comprise (A) structure units derived from at least
one monomer selected from N-n-propylacrylamide, N-isopropylamide,
and N,N-diethylacrylamide and (B) 0.001-10 mol% structure units
derived from reactive surfactants represented by
R-p-C6H4-OCH2CH(CH2OCH2CH:CH2)(OX)nOSO3M,
CH2:CHCH2OOCCH(CH2COOR)SO3M, or CH2:C(R')COO(XO)nSO3M and having
mass av. mol. wt. 1,000,000-10,000,000, where R = higher alkyl, R'
= H or Me, X = alkylene, M = alkali metal or ammonium, and n =
integer of 2-20. Thus, 9.08 g N-isopropylacrylamide and 0.78 g
Adeka Reasoap SE 10N (reactive surfactant) were ***copolymd***
using 0.061 g ammonium persulfate at 60.degree. for 2 to give a
polymer with mass av. mol. wt. 1,640,000 and reactive surfactant
content 1.11%. A 5% aq. soln. of the resulting polymer showed
syneresis rate 86% after kept at 50.degree. for 2.5 h.

IT ****Polyoxyalkylenes*** , preparation
(acrylic, graft; prepn. of thermally reversible
hydrophilic-hydrophobic copolymers useful as syneresis agents)

IT ***Gelation***
(***thermally*** ***reversible*** ; prepn. of
thermally ***reversible*** hydrophilic-hydrophobic
copolymers useful as syneresis agents)

L71 ANSWER 5 OF 68 HCA COPYRIGHT 2001 ACS
AN 133:89859 HCA

TI Controlled preparation of nanometer-sized supramolecular cylinders
of poly(ethylene oxide) embedded in methacrylate matrices

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PB John Wiley & Sons, Inc.

DT Journal

LA English

AB Semi-interpenetrating networks of poly(ethylene oxide) (PEO) and
highly ***crosslinked*** poly(methacrylate)s were generated